

The Commonwealth of Massachusetts

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ANNUAL REPORT

OF THE

TRUSTEES

OF THE

DANVERS STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1929

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DEPARTMENT OF MENTAL DISEASES



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DEPARTMENT OF MENTAL DISEASES  
GARDNER STATE COLONY  
GARDNER, MASS.

AUG 30 1930  
DANVERS STATE HOSPITAL

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*Consulting Surgeon and Physician* — DR. S. CHASE TUCKER, Peabody  
*Ophthalmologist* — PHILIP R. DWYER, M.D., Salem

TRUSTEES' REPORT

*To His Excellency the Governor and the Honorable Council:*

It is with pleasure and satisfaction that we review the activities of the Danvers State Hospital for the year ending November 30, 1929.

The medical and administrative efforts have combined to promote the best welfare of the patients.

The erection of the new Nurses' Home will enable those nurses who are now living on the wards to have a comfortable abode in a building of their own. This will release many rooms for our patients and will provide a refreshing change for our nurses. A forward step has been accomplished in the conversion of the old gas house into a building for farm patients. It will accommodate some forty of the type who are able to work on the farm and also gives us fifteen additional rooms for farm employees. Gradually the hospital is procuring much needed living quarters for its employees.

Another progressive step is the elimination of the old sewer beds and utilization of the common sewage system.

A great deal of repair work has been done on the various buildings in the institution in which is included painting and reconstruction where necessary so that the physical condition of the plant is in very good state of repair.

The Trustees express their gratification that the State officials have given consideration to the construction of a new kitchen and dining room section for both employees and patients. This has been a crying need for many years and when completed will place the Danvers State Hospital in a very enviable position. Again it is pleasing to us to note the spirit and desire for progress at this hospital on the part of the officials and that the welfare of the patients is always uppermost in their thoughts.

May we take this time to thank the Department of Mental Diseases for its kindly advice and efficient supervision.

Respectfully submitted,

S. HERBERT WILKINS, *Chairman*

DR. ARTHUR C. NASON

HON. JAMES F. INGRAHAM

MRS. ANNA P. MARSH

MRS. ANNIE T. FLAGG

MR. ALBION L. DANFORTH

W. W. LAWS

### SUPERINTENDENT'S REPORT

*To the Board of Trustees of the Danvers State Hospital:*

The fifty-second annual report of the Superintendent for the fiscal year ending November 30, 1929, is respectfully submitted.

The clinical reports and statistics relating to patients are for the period including September 30, 1929.

#### MOVEMENT OF POPULATION

The hospital year opened on October 1st, 1928 with 1,925 patients in the hospital, 215 on visit, 12 on escape, and 18 in family care, making a total of 2,170.

The year ended on September 30th, 1929 with 1,951 patients in the hospital, 252 on visit, 10 on escape, and 16 in family care, making a total of 2,229.

Number of admissions during the year: 390 male; 326 female; total 716; an increase of 2 over the preceding year.

There were no men and no women admitted as voluntary patients; 28 patients were transferred from other institutions; 257 men and 184 women were admitted on temporary care papers.

#### FIRST ADMISSIONS

Patients admitted to this or any hospital for the first time numbered 548, a decrease of one over the preceding year.

#### DAILY POPULATION

The total average population for the year was 1,912.8, an increase of 37.9 over the preceding year. There were 2,886 patients treated during the year as compared with 2,778 in 1928.

270 patients died in the institution during the year, which is 50 more than the preceding year.

#### DISMISSALS

There were 657 patients discharged from the institution during the year, 372 men and 285 women: Classified as to condition on discharge: 26 as recovered; 201 as improved; 26 as unimproved; and 74 as not insane. The figures for the preceding year are as follows: 28 as recovered; 208 as improved; 26 as unimproved; and 48 as not insane.

On September 30th, 1929 there were 252 patients on trial visit in care of friends or under hospital supervision as compared with 215 in 1928.

Since the organization of the hospital 28,764 patients have been admitted and 26,535 discharged.

#### EX-SERVICE MEN UNDER CARE

October 1, 1928 to September 30, 1929

Number of admissions, 32; return visits, 1; return escapes, 3; discharged, 7; transferred, 20; discharged by death, 4; on visit, 9; on escape, 3; total number

in the hospital October 1, 1928, 70; total number admitted during the year, 36; total number discharged during the year, 43; total number in hospital September 30, 1929, 63; total number under treatment during the year, 106.

#### MEDICAL ADMINISTRATION

The following changes in personnel of the Staff occurred during the year:

##### *Appointments*

Dr. Olive Pippy, appointed assistant physician, July 16, 1929,  
 Dr. Elmer Warner, appointed assistant physician, August 17, 1929,  
 Dr. John R. Lanier, appointed assistant physician, August 27, 1929,  
 Dr. Evelyn A. Alpern, appointed assistant physician, October 7, 1929,  
 Dr. Salomon Gagnon, appointed assistant physician, September 10, 1929,  
 Dr. Henry L. Clow, promoted to senior physician, October 1, 1929,  
 Dr. Myer Bloom, appointed assistant physician, October 1, 1929.

##### *Resignations*

Dr. William J. Johnson, resigned April 13, 1929,  
 Dr. John R. Bloomberg, resigned June 29, 1929,  
 Dr. Edwin D. Lee, resigned August 8, 1929,  
 Dr. Dupre M. Hall, died October 14, 1929,  
 Dr. Rose R. Donk, resigned September 18, 1929,  
 Dr. John R. Lanier, resigned November 8, 1929.

##### *Clinical Assistants*

Edward Resnik, June 4, to September 12, 1929,  
 George J. M. Grant, June 11 to August 8, 1929,  
 Robert Shaughnessy, June 13 to September 21, 1929,  
 Irving William Schiller, June 14 to September 21, 1929,  
 Sidney A. Sheffner, June 14 to September 21, 1929,  
 Myer Bloom, July 2 to October 1, 1929.

#### STAFF MEETINGS

The usual morning Staff meetings have been conducted daily for the purpose of reading the case record, examining the patient and discussing the diagnosis, prognosis and treatment. All cases are presented for consideration as to the advisability of visit and discharge. Following such meetings letters are sent to the committing judges and examining physicians giving information as to the diagnosis made.

Weekly conferences of the Staff have been held for the purpose of discussing new treatment, difficult problems arising on the medical service, and suggestions of improvements which would materially benefit the patient.

#### WARD SERVICE

Physicians continue to visit the patients on their wards twice daily, and as much oftener as is necessary. Complete physical examinations are made on each new patient on admission, followed by psychological, mental and laboratory examinations. All patients are immunized against small pox and typhoid fever and where positive Shick reactions are found the toxin-antitoxin is given. Consultations are still frequently held in obscure cases with the hope of discovering physical lesions and thus enhance the probability of improvement mentally.

#### HYDROTHERAPY

The use of hydrotherapy for treatment of all patients has increased to a remarkable degree throughout the year in spite of the fact that nothing has been done to augment the antiquated equipment. While much can be done in certain cases with the prescribing of tonic baths, the overactive type cannot be intelligently treated without more continuous baths. During the year seclusion has been reduced to a minimum, there being only about 2% of the total population now being so confined. This fact was brought about by the large number of patients receiving various forms of hydrotherapeutic treatment. The total number of cases so treated



was 982. Dr. Rebekah Wright, State Hydrotherapeutist, spent the month of September here giving valuable instruction to our hydrotherapists, nurses and physicians.

#### OCCUPATIONAL THERAPY

The new quarters have now been in use over a year and the scope has been greatly extended owing to every modern facility. On admission each patient is prescribed for and as improvement is seen is promoted from the ward classes to the Occupational Therapy shop and then graduated into the hospital industries. The products of the department are used as far as possible for decoration of the wards which tend to make them more homelike.

#### NEUROSYPHILIS CLINIC

Intensive treatment of patients suffering from syphilis by intravenous injections of neoarsphenamine, augmented by intramuscular injections of mercury and bismuth, have been continued throughout the year. In many special cases malarial therapy has been used with fair results. This clinic has been under the charge of Dr. J. Romeo Lapierre.

#### DENTAL SERVICE

Dr. Charles H. Endee has continued to serve as resident dentist devoting his entire time to the work. All newly admitted patients were immediately examined, the condition of their teeth noted and charted, and work undertaken to immediately place their mouths in prophylactic condition. In addition to this work periodical examinations of patients already in the hospital were made and treatment administered according to the necessity. A dental hygienist has also been in constant attendance. The large amount of work which was accomplished is indicated by the table below:

Surgery:	
Local anaesthesia . . . . .	1099
Ether anaesthesia (2 cases)	
Fillings — Types:	
Silver amalgam . . . . .	167
Cement . . . . .	65
Copper amalgam . . . . .	7
Silver cement . . . . .	25
Porcelain . . . . .	15
ZN <sub>2</sub> and Eng. . . . .	127
Prosthetics:	
Completed full plates . . . . .	10
Completed partial plates . . . . .	1
Repaired full plates . . . . .	9
Repaired partial plates . . . . .	4
Odontexis . . . . .	409
Treatments in general . . . . .	657
Referred to X-ray . . . . .	68
Examined new patients on wards . . . . .	709
Re-examined patients on wards . . . . .	397
Total number of office visits . . . . .	2036
Lectures . . . . .	6 hrs.

#### ENTERTAINMENTS

Dances have been held each week during the winter months, the music being furnished by the hospital orchestra. The usual motion picture entertainments have been provided for the pleasure of the patients. A special Field Day, with games and races was held on July 4th, and was greatly enjoyed by all in attendance. The usual baseball games were held during the summer season and much enthusiasm was seen at the exchange games played with Westboro and Worcester State Hospitals. During the Christmas season a special program of activities was arranged for the enjoyment of both patients and employees. Besides special

dances that were held for employees during the year many organizations have provided special entertainments from time to time for not only the ex-service men but other inmates as well.

#### PSYCHIATRIC CLINICS

The usual clinics for patients who have left the hospital on visit have been carried on each week at Gloucester, Haverhill, Lawrence, Salem, Newburyport, Lynn and Malden. The attendance at the clinics has materially increased and it is gratifying to know that physicians in these communities are gradually availing themselves of the privilege of referring cases.

#### TRAVELING SCHOOL CLINIC

These clinics have grown to a considerable degree under the direction of Dr. Edgar C. Yerbury. The large number of cases examined has kept both a psychologist and social worker busy most of the time. It is gratifying to learn that the superintendents of schools are gradually beginning to learn the tremendous value attached to such examinations and referring many problem cases as well as the three-year retarded children.

#### ADULT MENTAL HYGIENE CLINIC

In October 1929 a Mental Hygiene Clinic for Adults was organized with the co-operation of the Lynn Hospital. Since its organization the clinic has been exceedingly busy on each Wednesday afternoon and it is felt that it is greatly appreciated by the number of new cases seeking advice.

#### CHILD GUIDANCE CLINIC

For the past year this clinic has continued to operate very successfully. Because of the co-operation of the various agencies in Lynn and its adjacent towns many more cases have been referred and treated. While the mental hygiene movement is rapidly growing the study of human behavior is not complete without better understanding of the child. During the past year new quarters have been procured at the School Administration Building, where the clinic has been operating since September.

The hospital has continued its practice of providing lectures and clinics throughout the year and is gradually becoming a greater assistance in this specialized work.

#### LABORATORY SERVICE

This service has been carried on actively throughout the year despite the fact that we have been without a technician for several months. We wish to thank Dr. Marjorie Fulstow for her continued assistance and co-operation during the year.

A tabulated report of the year's work is submitted:

Autopsies . . . . .	31
Basal metabolisms . . . . .	16
Blood counts . . . . .	796
Smears, bacterial . . . . .	75
Spinal fluids (mastic) . . . . .	130
Sputum examinations . . . . .	21
Urinalysis . . . . .	1,764

#### ENGINEER'S REPORT

Principal work done during 1929, exclusive of regular maintenance:

Installed underground line, return line, power cable, light cable and telephone duct between the service building and the barn. Branches from these mains were run under ground to cottage No. 4, to the ox barn and to the gas house. Light cable was installed underground from the gas house to cottage No. 6. These changes provide reliable steam, electric, and telephone service to the points connected and will allow the removal of unsightly pole lines.

The major project for the year was the changing of our main water line connections, main steam line connections, building of a new pump house and the moving of fire pump, vacuum pumps, and service water pumps to the new pump

house. The new steam lines installed were joined by electric arc welding and long radius bends were used to make the lines flexible and take expansion. This method of steam pipe fabrication is according to the best practice of today. A new service water heater was also installed, it being the first step in a plan for the installation of a circulating system for the hot water throughout the main group.

The fitting out of our new stock room was completed. Steel shelving, pipe rack, iron rack, and barrel racks were installed. The last three mentioned items were constructed by our own mechanics from salvaged materials. Oxy-acetyline welding played an important part in this work.

### CONSTRUCTION REPORT

*Carpenters:* Middleton Colony, covering of walls and ceilings with sheet rock, about 55,000 feet; new paint shop, wire lathing and inside equipment; making of 210 chairs at Carpenter Shop; new elevators, cutting, staging and finishing of woodwork and metals, wards "A" and "J"; taking out of old iron water tanks in attic in center building; making of tables, benches and fitting up inside of Industrial building; making of large folding dining table, front center; laying of new hardwood floor in Laundry; repairs on chairs, tables, settees, that had collected at old Industrial Shop; repairs on blinds, doors, etc., at Cottage No. 1; repairs on doors and runways at Piggery and Slaughter house; General repairs on wards of main building; repairs on old screens and making of new ones for main building; making of five stone drags for farm; making of bushel boxes for farm; fitting up the Arts and Crafts shop with tables, boxes and shelves; making of forms and stagings at new paint shop; making suite of rooms, Dr. Kent's laboratory, in rear center; general repairs on brooder houses for chickens; moving of hardware and supplies to new stock room; repairs on doors, stalls, etc., at Barn; repairs on carts, sleds, wagons and farm machinery at Shop; changing over the old blacksmith shop for electricians and plumbers; making over two washing machines at Laundry; eight fire exits equipped with doors and steps, etc., at the Middleton Colony; Field pipe lines and forms for cistern at Middleton Colony; building of twelve pig houses at piggery; new floors in all hog pens at piggery; general repairs on side hill summer house; staging of chimneys for brick repairs at main building; shingling of roof at piggery; remodeling old gas house; setting of batter lines for sewer digging; resurfacing of all paper roofs; making of feed troughs at barn; cement forms for steam tunnel, old boiler house; making of portable tables for chapel, at the shop; forms for building new head house pump room; repairs to roof injured in blasting, cottage No. 7; enlarging building for dining room at Grove Hall; new office for Assistant Superintendent, front center.

*Painters:* 2,303 lights of glass set during the year; painting rooms and corridors at nurses' Home; floors at Industrial Building; rooms in rear center; chapel corridors, front center; all wards and rooms at Middleton Colony; walls, door, and shafts of "A" and "J" elevators; ward beds, stand, etc., at shop; sunparlors wards A-1, B-1, C-1, 2, 3, and I-1, 3; corridors and stairways, first floor, male wards; corridors and stairways, first floor, female wards; suite of rooms, Dr. Kent's laboratory, rear Center; racks, tables, shelves, etc., mechanical building; scullery, front center; office at Carpenter shop; rooms and wards at main building; plumbers and electricians shop at industrial building; screens at main building, barn and cottages; fence at salvage yard; two cow barns painted inside; suite of rooms for cook at Grove Hall; kitchen cottage No. 3; kitchens, cottage No. 5 and 5B; roofs and woodwork, new dining room, Grove Hall; outside woodwork at Gas House; painting and papering inside at Cottage No. 1; finishing of chairs, tables, settees, etc., at shop; refinishing of furniture at Nurses' Home.

*Masons:* Building of brick elevator wells, wards "A" and "J"; laying of brick vaneeing at new paint shop; general repairs on bakery oven; lining of ranges at kitchens and cottages; patching and plastering at main building; inside plastering at new paint shop; plastering elevator shafts wards "A" and "J"; brick partition and plastering at Old blacksmith shop; laying cement floor and cement steps at New Paint Shop; repairs on catch basins and sewer lines; cutting for cold storage refrigerators, floors and plastering, on ward "A" and "J"; retopping of chimneys







In closing I wish to express my appreciation and thanks to all members of the Medical and Hospital Staff for their help and cooperation during the past year.

Respectfully submitted,

OLIVE F. ESTEY, R.N.,

*Principal of the School of Nursing.*

## SOCIAL SERVICE REPORT

*To the Superintendent:*

I herewith submit the annual report of the Social Service Department for the year December 1, 1928 to November 30, 1929:

Until the last of May we had two students from the Smith College School for Social Work, Miss Agnes McCreery and Miss Evelyn Rodee. They contributed much to the work of the hospital and received training in psychiatric social work.

Miss Miriam Collier, an under-graduate student at Radcliffe College, was here for two months during the summer as student in our department.

This fall we have again two students from Smith, Miss Hilma Peterson, a graduate of Smith College, and Miss Arlene Robbins, a graduate of the University of Maine.

The Social Service Department is taking practically all the medical histories for the staff. This, added to the increased number of school clinic histories, and the addition of the Adult Mental Hygiene Clinic in Lynn, increases our work tremendously. We should have another well-trained psychiatric social worker to relieve some of the pressure of work. Our relationships both inside the hospital and in the community are most cordial and for this good feeling we are grateful to the Superintendent.

## SOCIAL SERVICE STATISTICS

December 1, 1927 to November 30, 1929

	Males	Females	Total
I. Numerical Summary of Cases:			
New cases. . . . .	525	424	949
Renewed cases from previous years . . . . .	31	25	56
Renewed cases within the year . . . . .	10	11	21
Continued cases from previous year . . . . .	200	288	488
Total . . . . .	766	748	1,514
II. Sources of New Cases:			
Cases referred by Physicians, 727			
Cases referred by Community Agencies, 104.			
Cases referred by Friends or relatives, 11.			
Cases referred by Initiative of Patients, 17.			
Cases selected by Social Service, 22.			
III. Analysis of Work:			
1. Purposes for which cases were referred:			
(a) Histories of Patients: — taken at hospital, 456; outside hospital, 258			
(b) Investigation: — Conduct disorders, 50; employment situations, 37; home conditions, 103; statement of patients, 35; statements of others, 45.			
(c) Supervision: — In home, 185; in industry, 6; in community, 36.			
(d) Care of patients' families, 20;			
(e) Personal services, 3.			
(f) Placement, 4.			
2. Problems:			
Location of patients, 2 (Examination of children at camp, 3.)			
Location of relatives, 2 (History and investigation of man under indictment, 1; Permission for patient to leave hospital, 1.)			
(a) Disease: — Mental, 6; physical 3.			

- (b) Sex problems: — Prostitution; promiscuity, 4, wayward tendencies.
- (c) Environment: — 1. Financial difficulties, 11; 2. Employment difficulties, 18; 3. Unsuitable surroundings, 3; 4. Friction, family, 7; others, 3; 5. Marital difficulties, 6.
- (d) Personality problems: — 1. Temperament, 13; 2. Anti-social habits, 3; 3. Vacillating interests, 0.
- (e) Educational problems: — 1. Readjustment habits of mind 4; 2. Recreation, church, social relationships, 6.
- (f) Legal problems: — 1. Concerning property or support, 3; 2. Resulting from conduct of patient, 1; 3. Resulting from conduct of others, 1.
- (g) General problems:—

#### IV. Service Rendered:

##### 1. Medical:

- (a) Contribution of information re: Medical history, 662.
- (b) Contribution of information re: Home conditions, 104.
- (c) Contribution of information re: Condition of Out-patients, 169.
- (d) Contribution of arrangement for medical assistance, 3.

##### 2. Social:

- (a) Adjustments for patients: — Environment, 13; personal relations, 5
- (b) Adjustments for patients in industry, 3.
- (c) Adjustments for patients in recreation, 5.
- (d) Advice: — To relatives, 33; to patients, 25; to others, 9.
- (e) Connecting with agencies, 31; with individuals, 3.
- (f) Family assistance: — Legal, 4; financial, 2; miscellaneous.
- (g) Arrangements for further study or training, 0.
- (h) Personal Services: — Placement work, home, 21; industry, 5.

#### V. Supervision Work:

- 1. Visits: — To patients on ward, 207; To Patients on visit, 93; to relatives or friends, 215; to social agencies, 106; to others, 110.  
Number patients in care of other agencies, 13.
- 2. Family Care Patients:
  - (a) Number of patients visited, 68. (b) Number of patients placed, 5;
  - (c) Number of patients replaced, 1; (d) Number of patients returned, 5; (e) Number of patients discharged, 0; (f) Number boarding homes investigated, 6.

#### VI. Clinic Work:

- 1. Hospital clinics: — Number clinics attended, 52; interviews with patients, 178; interviews with relatives, 120; social cases selected, 20.
- 2. School clinics: — Number attended, 18; histories, 191.
- 3. Community clinics: — Number attended, 43; interviews with others, 10; number of cases referred to local agencies, 3.

#### VII. Miscellaneous:

- 1. Account of time: — Number of days in hospital, 472; outside hospital, 731; spent in school clinic work, 64; spent in community clinic work, 227 days, 50 evenings.

##### Special Features:

Lectures, 7; Conferences attended, 6; Special studies, Ortho-psychiatric conference, N. Y.; Visits to other institutions, Child Guidance, N. Y.; Seminars, 3; Mental Hygiene conference, State House; 10 Lectures to nurses; Massachusetts conference, Social Workers; Psychopathic, O.P.D. Medfield State Hospital; Sherborn Reformatory; Smith College School for Social Workers.

#### REPORT OF THE LYNN CHILD GUIDANCE CLINIC

December 1, 1928 to November 30, 1929

One hundred twelve children made 443 visits to the clinic. Of these 79 were new cases, 54 boys and 25 girls. There were 33 old cases, 23 boys and 10 girls.

Agencies referring children to the Clinic: — Parents or other relatives; parents

of other clinic children.

Schools: — Principals and teachers; psychologist; visiting teacher; nurse; census and attendance department.

Hospitals: — Massachusetts General Hospital; Children's Hospital; Lynn Hospital Out-patient Department — children's clinic, mental hygiene clinic; private physicians; district nurse.

Social agencies: — Associated charities; Catholic charities center; Child Welfare House; Massachusetts S. P. C. C.; American Red Cross; State Department of Public Welfare; U. S. Veterans Bureau, summer camps.

According to psychometric tests 27 children were of average intelligence, 15 of advanced intelligence, 14 of low normal, and 10 of subnormal intelligence. 6 were definitely mentally defective and it was impossible to give a rating to 6 others because of deafness, distractibility, inability to read, poor coordination, or speech defect.

In the families of these children were found many social problems which it would seem could not help affecting the mental health of the children.

Broken homes: — Father in one case is a suicide, the mother working all day in a store and until late in the evening. Patient, a boy of 11, is under the authority of his older brother.

Father and mother separated or divorced; in one family mother deserted when patient was three months old.

Father deserted, mother immoral.

Father insane, mother unstable.

Father and mother separated eleven times. When together there was friction, nagging, sarcasm, alcoholism.

Illegitimacy. Whereabouts of parents unknown.

Court record of one or both parents. One father had had fifteen records and at the time patient came to clinic was then in jail.

Frequent placements in foster-homes. One child had been in seven foster-homes in five years.

Inadequate supervision: — The mothers of two children were at home but were both insane. An insane aunt in the home of one child. Father neurasthenic. Parents too old to understand the child's needs.

In six cases the father's work took him away from home a great deal of the time.

In one case the mother was too busy with the care of younger children to give much attention to the patient.

Religion: — Religious differences between the parents. Utter indifference to religion. No affiliation with any church. No religious training.

Friction in the home: — Discipline not enforced. Interference in discipline and training, usually on the part of relatives. Dislike on the part of stepmother of the children of the father's previous marriage. Oversolicitude on the part of one or both parents. This usually occurs when the patient is an only child. Low income, crowded homes, language difficulty.

The children themselves presented many problems:

Relationship with other children: — Regarded by other children as queer. Few friends. Bad companions. Cannot get along with other children. Game spoiler.

Overactivity: — Restlessness. Inability to concentrate. Inattention. Fidgetiness.

Fear: — Of children his own age. Of new situations. Of the dark.

Emotional States: — Morbid following the death of his brother. Worrying. Shy. Excitable. Irritable. Cry baby. Unresponsive. Stubborn. Sullen. Cruel. Irresponsible. Negativistic. Don't-care attitude. Indifference. Cowardliness. Unhappiness.

Lack of training as shown in: — Destructiveness. Lying. Disobedience. Ungovernable temper. Temper tantrums. Tyrannical. Insolent, defiant, wilful. Resentful of authority.

Withdrawal: — Day dreaming. Asocial.

Conduct changes following an accident: — Running away. Deceitfulness. Forgetfulness.

Sex: — Precocious sexual development. Over-interest in men. Exhibitionism



in school.

Problems of habit training:— Eneuresis, nocturnal and diurnal. Soiling as well as wetting. Nail biting. Thumb sucking. Disturbed sleep. Autoeroticism.

Delinquencies:— Stealing. Setting fires. One had a long list of offences. Two had been in court, one for breaking and entering, one for larceny.

Physical Problems:— Diabetes. Spastic paralysis. Poor motor coordination. Deafness. Pin worms. A series of many illnesses. Post encephalitis. Tuberculosis. Chorea. Asthma. Pustular eczema. Epilepsy.

Speech Problems:— Stuttering. Stammering. Lispering. Delayed speech. Inability to articulate. Poor reading ability.

School Problems:— Truancy. Mischievousness. Inattention. Retardation. Failure. Disciplinary problem. Non-conformity to school routine. Refusal to attend school. Disturbing the class.

Respectfully submitted,

MARY H. HOLLAND,

*Head Social Worker.*

#### MENTAL HYGIENE CLINIC

Thru the courtesy of the Lynn Hospital a Nerve Clinic was established on October 9, 1929. The clinic meets on Wednesdays from 2 to 4 p.m. The purpose of the clinic is to enable people in the community, who cannot afford the service of a psychiatrist, to have expert advice in their mental problems. It is hoped that the clinic may not only treat individuals suffering from neuroses but help in the prevention of psychoses. The patients are referred by physicians, social agencies, Lynn Hospital Out-Patient Department, and by the patients themselves.

The Staff consists of Dr. E. C. Yerbury, and Dr. Salomon Gagnon, psychiatrists, Dr. Grace H. Kent, psychologist, and Miss Pearl E. Hartshorn, social worker. One of the students of the Smith College School for Social Work has been assisting in the social work.

In the two months that the clinic has been operating, twenty-seven patients have come for advice. The average number of patients present at the clinic each week is eight. One case was referred to the Child Guidance Clinic, and in two cases commitment to a mental hospital was recommended.

The diagnosis which has been definitely determined are:

Psychoneuroses — Neurasthenic type, 3; psychasthenic type, 4; hysterical type, 1; arteriosclerosis, 4; Parkinsonian syndrome, 2; Manic-depressive — depressed type, 2; hypertension, 1; dementia praecox, 1; involution melancholia, 1; tabes, 1; Sydenham's chorea, 1; mental deficiency, 1; paranoid state, 1.

In three cases the diagnosis has not been determined.

Common social problems in these patients are lack of social activities, economic stress, and uncongenial home atmosphere. The unwholesome attitude of the mother of one young girl was felt to be a contributory factor in her phobias. The reproachful and nagging attitude of a wife toward her syphilitic husband was thought to be aggravating his condition.

In the short time that the clinic has been functioning, no outstanding improvements in patients have been noted. However, one depressed woman has responded to the psychotherapy by developing insight and becoming less self-centered. In a few cases of arteriosclerosis the nervous manifestations have been lessened in response to treatment.

Respectfully submitted,

PEARL E. HARTSHORN,

*Social Worker.*

#### PSYCHOLOGICAL REPORT

*To the Superintendent:*

I have the honor to present the following annual report of the Psychological Department, for the fiscal year ending November 30th, 1929.

During this year there has been at least one assistant on duty in the department. Dr. E. Frances Wells was with us from December to June, and Miss Katherine Simpson came in July. Miss Mary Booth was with us during the summer as student assistant, and Miss Joanna Hagg was here for the last two months of the year.

In April we moved into the suite of rooms that had been prepared for the department. In addition to two examining rooms this suite includes two large closets and a workshop. Many simple pieces of testing apparatus used in examination of patients have been made by us in this shop.

All newly admitted patients are referred to us for such psychometric study as seems possible and appropriate. It is our custom to examine, as a routine measure, all patients under sixty who are in condition to be brought to the office. Many others are visited in the wards for a less formal interview. The nature of our examination varies widely, according to the urgency of the case. Special attention is given to the younger patients. During this year 411 patients were given a routine psychometric test. 222 of these were men, and 189 were women.

Twenty-six patients were studied very intensively, for some special purpose. Most of these patients were interviewed several times, and no effort was spared to make the study as complete as possible.

Forty-nine additional patients, all diagnosed as cases of manic-depressive psychosis, have been studied for purposes of research. Some of these patients had left the hospital before the project was undertaken, and whenever possible these patients have been interviewed at the after-care clinics. The studies of this special group include many interviews with relatives and friends, usually on Sunday. Incidentally, these observations have afforded exceptional opportunity for psychotherapeutic treatment, for gaining the co-operation of the families, and for helping patients to come to a better understanding with their friends.

Our department has frequently been called upon to assist with the psychometric work of the outside clinics, especially in emergencies.

The standardization of nine tests intended especially for examination of State hospital patients was undertaken in November of last year, and was brought to completion in February, 1929. These tests have been found outstandingly serviceable in this hospital, and the norms have been given out privately to a few workers in other institutions. Owing to the pressure of routine duties, only two of these tests have been prepared for publication. The paper describing the two tests *Story Completion Tests*, by Kent and Wells, has been accepted by the *Journal of Educational Psychology*. Two other minor studies, both on psychometrics, have been offered for publication in the *Bulletin*.

A few lectures on psychology have been given for the benefit of social workers and nurses. It is impossible, with our present library facilities, to make this instruction very valuable. The most important formal lectures of the year were given by Dr. Wells, who brought her own library here. During the latter part of the year an informal seminar has been conducted for the students of the social service department.

Respectfully submitted,  
GRACE H. KENT

VALUATION	
November 30, 1929	
REAL ESTATE	
Land, 517 acres . . . . .	\$89,640.00
Buildings . . . . .	2,595,582.53
	<hr/>
	\$2,685,222.53
PERSONAL PROPERTY	
Travel, transportation and office expenses . . . . .	\$3,790.51
Food . . . . .	13,215.40
Clothing and materials . . . . .	26,912.76
Furnishings and household supplies . . . . .	123,439.00
Medical and general care . . . . .	21,153.04
Heat, light and power . . . . .	3,344.60
Farm . . . . .	83,504.78
Garage, stables and grounds . . . . .	10,375.22
Repairs . . . . .	3,555.75
	<hr/>
	\$289,291.06
SUMMARY	
Real estate . . . . .	\$2,685,222.53
Personal property . . . . .	289,291.06
	<hr/>
	\$2,974,513.59

## FINANCIAL REPORT

*To the Department of Mental Diseases:*

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1929.

CASH ACCOUNT	
<i>Income</i>	<i>Receipts</i>
Board of Patients . . . . .	\$139,587.69
	<hr/> \$139,587.69
Personal Services:	
Reimbursement from Board of Retirement . . . . .	255.70
Sales:	
Food . . . . .	686.90
Clothing and materials . . . . .	403.91
Furnishings and household supplies . . . . .	228.60
Medical and general care . . . . .	86.15
Heat, light and power . . . . .	156.07
Farm:	
Cows and calves . . . . .	417.00
Pigs and hogs . . . . .	30.77
Hides . . . . .	115.56
Ice . . . . .	25.00
Wood . . . . .	258.00
Sundries . . . . .	205.00
Garage, stable and grounds . . . . .	135.86
Repairs, ordinary . . . . .	875.20
Total sales . . . . .	<hr/> \$3,624.02
Miscellaneous:	
Interest on bank balances . . . . .	\$199.59
Rent . . . . .	390.00
	<hr/> 589.59
Total Income . . . . .	\$144,057.00

MAINTENANCE	
Balance from previous year, brought forward . . . . .	\$24,233.78
Appropriations, current year . . . . .	729,700.00
Total . . . . .	<hr/> \$753,933.78
Expenses (as analyzed below) . . . . .	725,315.75
	<hr/>
Balance reverting to Treasury of Commonwealth . . . . .	\$28,618.03

<i>Analysis of Expenses</i>	
Personal Services . . . . .	\$338,359.73
Religious instruction . . . . .	2,041.47
Travel, transportation and office expenses . . . . .	6,762.35
Food . . . . .	137,935.99
Clothing and materials . . . . .	23,811.78
Furnishings and household supplies . . . . .	43,856.26
Medical and general care . . . . .	35,495.83
Heat, light and power . . . . .	62,307.03
Farm . . . . .	34,323.18
Garage, stable and grounds . . . . .	6,536.58
Repairs, ordinary . . . . .	21,931.57
Repairs and renewals . . . . .	11,953.98
Total expenses for Maintenance . . . . .	<hr/> \$725,315.75

SPECIAL APPROPRIATIONS	
Balance December 1, 1928 . . . . .	\$161,122.97
Appropriations for current year . . . . .	74,000.00
Total . . . . .	<hr/> \$235,122.97
Expended during the year (see statement below) . . . . .	\$126,462.28
Reverting to Treasury of Commonwealth . . . . .	2,028.30
	<hr/> 128,490.58
Balance November 30, 1929, carried to next year . . . . .	\$106,632.39



OBJECT	Act or Resolve	Whole Amount	Expended during Fiscal Year	Total Expended to Date	Balance at End of Year
Space for Industries . . . .	138-1927	\$16,000.00	\$1,118.97	\$15,992.70	\$7.30*
Male Attendants' Home . . . .	138-1927	65,000.00	2,950.25	64,998.05	1.95*
Renovating Plumbing . . . .	138-1927	6,000.00	1,090.77	5,975.25	24.75*
Plumbing Middleton . . . .	138-1927	3,000.00	-	1,008.33	1,991.67*
Improvements Coal trestle . .	138-1927	2,000.00	-	1,997.37	2.63*
Nurses' Home . . . .	127-1928	143,000.00	76,765.69	76,821.49	66,178.51
Furnishings Male Attendants Home	127-1928	4,700.00	977.33	4,676.55	23.45
Replacing Certain Elevators . .	127-1928	12,400.00	9,719.41	12,129.71	270.29
Sewage Disposal . . . .	146-1929	20,000.00	8,737.67	8,737.67	11,262.33
Remodeling Gas House and Grove Hall . . . .	146-1929	37,000.00	9,717.64	9,717.64	27,282.36
Power House and Steam Mains .	146-1929	17,000.00	15,384.55	15,384.55	1,615.45
		\$326,100.00	\$126,462.28	\$217,439.31	\$108,660.69

Balance reverting to Treasury of the Commonwealth during year (mark item with \*) . . . . . \$2,028.30

Balance carried to next year . . . . . 106,632.39

Total as above . . . . . \$108,660.69

#### PER CAPITA

During the year the average number of inmates has been 1,912.8.

Total cost for maintenance, \$725,315.75.

Equal to a weekly per capita cost of \$7.2921 (52 weeks to year)

Receipts from sales, \$3,624.02.

Equal to a weekly per capita of \$.0363.

All other institution receipts, \$140,432.98.

Equal to a weekly per capita of \$1.4080.

Net weekly per capita \$5.8438.

Respectfully submitted,

GLADYS E. LEACH, *Treasurer*

## STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION  
PRESCRIBED BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. *General Information*

Data correct at end of hospital year November 30, 1929

1. Date of <i>opening</i> as a hospital for mental diseases, May 13, 1878	
2. Type of hospital: State.	
3. Hospital plant:	
Value of hospital property:	
Real estate, including buildings . . . . .	\$2,685,222.53
Personal property . . . . .	289,291.06
Total . . . . .	\$2,974,513.59
Total acreage of hospital property owned, 517.	
Additional acreage rented, 150.	
Total acreage under cultivation during previous year, 347.	

## 4. Officers and employees November 30, 1929:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents . . . . .	1	—	1	—	—	—
Assistant physicians . . . . .	6	2	8	3	—	3
Total physicians . . . . .	7	2	9	3	—	3
Stewards . . . . .	1	—	1	—	—	—
Resident dentists . . . . .	1	—	1	—	—	—
Pharmacists . . . . .	1	—	1	—	—	—
Graduate nurses . . . . .	—	13	13	—	2	2
Other nurses and attendants . . . . .	82	110	192	5	20	25
Occupational therapists . . . . .	1	6	7	—	—	—
Social workers . . . . .	—	3	3	—	—	—
All other officers and employees . . . . .	78	50	128	—	5	5
Total officers and employees . . . . .	164	182	346	5	27	32

NOTE:— The following items, 5 to 9, inclusive, are for the year ended September 30, 1929.

## 5. Census of patient population at end of year:

	Actually in Hospital			Absent from Hospital but Still on Books		
	M.	F.	T.	M.	F.	T.
White:						
Insane . . . . .	860	1061	1921	118	158	276
Mental defectives . . . . .	6	3	9	—	—	—
All other cases . . . . .	2	1	3	1	—	1
Total . . . . .	868	1065	1933	119	158	277
Other Races:						
Insane . . . . .	12	6	18	—	1	1
Total . . . . .	12	6	18	—	1	1
Grand Total . . . . .	880	1071	1951	119	159	278
				Males	Females	Total

6. Patients under treatment in occupational-therapy classes, including physical training, on date of report . . . . .	45	145	190
7. Other patients employed in general work of hospital on date of report . . . . .	548	490	1038
8. Average daily number of all patients actually in hospital during year . . . . .	851.8	1061	1912.8
9. Persons given advice or treatment in out-patient clinics during year . . . . .	105	114	219

TABLE 2. *Financial Statement*

See Treasurer's report for data requested under this table.

NOTE:— The following tables 3-19, inclusive, are for the statistical year ended September 30, 1929

TABLE 3. *Movement of Patient Population*

	INSANE			TEMPORARY CARE AND OBSERVATION			TOTAL ON BOOKS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of Institution September 30, 1928 . . . . .	970	1,186	2,156				981	1,189	2,170
Admissions during year:									
First admissions . . . . .	231	221	452	11	3	14			
Readmissions . . . . .	63	54	117	65	31	96	296	252	548
Transfers from other hospitals for mental diseases . . . . .	14	14	28	17	6	23	80	60	140
Total received during year . . . . .	308	289	597	—	—	—	14	14	28
Total on books during year . . . . .	1,278	1,475	2,753	82	37	119	390	326	716
Discharged from books during year:				93	40	133	1,371	1,515	2,886
As recovered . . . . .	1	1	2	19	5	24	20	6	26
As improved . . . . .	109	87	196	3	2	5	112	89	201
As unimproved . . . . .	13	8	21	2	3	5	15	11	26
As without psychosis . . . . .	1	2	3	51	20	71	52	22	74
Transferred to other hospitals for mental diseases . . . . .	40	20	60	—	—	—	40	20	60
Died during year . . . . .	125	130	255	8	7	15	133	137	270
Total discharged, transferred and died during year . . . . .	289	248	537	83	37	120	372	285	657
Insane patients remaining on books of hospital at end of hospital year.*									
In hospital . . . . .	872	1,069	1,941	8	2	10	880	1,071	1,951
On parole or otherwise absent . . . . .	119	159	278	—	—	—	119	159	278
Total on Books September 30, 1929 . . . . .	991	1,228	2,219	8	2	10	999	1,230	2,229

\*Owing to a change of criteria, to prevent the counting of one patient twice on successive statistical years, the totals in the Insane and Temporary Care columns will not balance for the statistical year 1929, but will balance in future years.



TABLE 4. *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States . . . . .	123	136	259	64	72	59	73	77	64
Canada <sup>1</sup> . . . . .	32	26	58	44	38	35	38	38	30
Denmark . . . . .	1	—	1	2	2	1	1	—	—
England . . . . .	11	7	18	17	15	12	14	12	10
Finland . . . . .	1	1	2	2	1	1	2	2	2
Germany . . . . .	3	1	4	3	4	3	3	2	2
Greece . . . . .	3	3	6	4	4	4	3	3	3
Ireland . . . . .	13	16	29	30	30	26	41	41	34
Italy . . . . .	16	7	23	19	19	19	8	8	8
Poland . . . . .	3	4	7	5	6	5	6	6	6
Portugal . . . . .	1	1	2	2	1	1	1	1	1
Roumania . . . . .	2	—	2	2	2	2	—	—	—
Russia . . . . .	9	9	18	12	11	11	9	9	9
Scotland . . . . .	2	3	5	2	2	2	3	6	3
Sweden . . . . .	3	3	6	4	4	4	5	5	5
Turkey in Asia . . . . .	1	—	1	1	1	1	—	—	—
Turkey in Europe . . . . .	2	—	2	2	2	2	—	—	—
Wales . . . . .	—	—	—	1	—	—	—	—	—
Other countries . . . . .	2	2	4	3	3	3	2	2	2
Unascertained . . . . .	3	2	5	12	14	11	11	9	8
Total . . . . .	231	221	452	231	231	202	221	221	187

<sup>1</sup>Includes Newfoundland

TABLE 4-A. *Age of First Admissions Classified with Reference to Nativity, and Length of Residence in the United States of the Foreign Born.*

[illegible]

TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth . . . . .	123	136	259
Citizens by naturalization . . . . .	44	31	75
Aliens . . . . .	38	37	75
Citizenship unascertained . . . . .	26	17	43
Total . . . . .	231	221	452

TABLE 6. *Psychoses of First Admissions*

PSYCHOSES	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses . . . . .				2	—	2
2. Senile psychoses . . . . .				14	23	37
3. Psychoses with cerebral arteriosclerosis . . . . .				53	53	106
4. General paralysis . . . . .				22	7	29
5. Psychoses with cerebral syphilis . . . . .				6	—	6
6. Psychoses with Huntington's chorea . . . . .				—	—	—
7. Psychoses with brain tumor . . . . .				—	1	1
8. Psychoses with other brain or nervous diseases, total <sup>1</sup>				4	3	7
Cerebral embolism . . . . .	—	1	1			
Other diseases . . . . .	4	2	6			
9. Alcoholic psychoses, total . . . . .				30	1	31
Delirium tremens . . . . .	2	—	2			
Korsakow's psychosis . . . . .	2	—	2			
Acute hallucinosis . . . . .	14	—	14			
Other types, acute or chronic . . . . .	12	1	13			
10. Psychoses due to drugs and other exogenous toxins, total				1	1	2
Other exogenous toxins . . . . .	1	1	2			
11. Psychoses with pellagra . . . . .				—	—	—
12. Psychoses with other somatic diseases, total . . . . .				2	3	5
Exhaustion delirium . . . . .	1	1	2			
Other diseases or conditions . . . . .	1	2	3			
13. Manic-depressive psychoses, total . . . . .				15	29	44
Manic type . . . . .	5	16	21			
Depressive type . . . . .	10	9	19			
Other types . . . . .	—	4	4			
14. Involution melancholia . . . . .				5	14	19
15. Dementia praecox (schizophrenia) . . . . .				58	53	111
16. Paranoia and paranoid conditions . . . . .				3	5	8
17. Epileptic psychoses . . . . .				1	3	4
18. Psychoneuroses and neuroses, total . . . . .				2	5	7
Hysterical type . . . . .	—	1	1			
Psychasthenic type (anxiety and obsessive forms) . . . . .	—	2	2			
Neurasthenic type . . . . .	2	1	3			
Other types . . . . .	—	1	1			
19. Psychoses with psychopathic personality . . . . .				5	—	5
20. Psychoses with mental deficiency . . . . .				8	18	26
21. Undiagnosed psychoses . . . . .				—	—	—
22. Without psychosis, total . . . . .				—	2	2
Others . . . . .	—	2	2			
Total . . . . .				231	221	452



TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			Traumatic			Senile			With cerebral arterio-sclerosis			General paralysis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	3	4	7	-	-	-	-	-	-	-	1	1	1	-	1
Armenian	4	-	4	-	-	-	-	-	-	1	-	1	2	-	2
English	55	66	121	1	-	1	10	6	16	19	23	42	4	1	5
Finnish	2	1	3	-	-	-	-	1	1	-	-	-	-	-	-
French	19	18	37	-	-	-	1	2	3	4	3	7	1	1	2
German	5	1	6	-	-	-	-	-	-	2	-	2	2	-	2
Greek	4	3	7	-	-	-	-	-	-	-	1	1	-	-	-
Hebrew	10	7	17	-	-	-	-	1	1	1	-	1	1	-	1
Irish	43	47	90	-	-	-	1	5	6	11	11	22	2	1	3
Italian <sup>1</sup>	19	8	27	-	-	-	-	1	1	1	1	2	3	-	3
Lithuanian	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian <sup>2</sup>	4	5	9	-	-	-	-	-	-	1	2	3	1	-	1
Scotch	7	4	11	-	-	-	1	-	1	3	-	3	-	1	1
Slavonic <sup>3</sup>	8	8	16	-	-	-	-	1	1	-	-	-	1	-	1
Syrian	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	2	-	2	-	-	-	-	-	-	1	-	1	1	-	1
Other specific races	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	33	40	73	-	-	-	1	4	5	7	11	18	2	3	5
Race unascertained	7	5	12	1	-	1	-	2	2	2	-	2	1	-	1
Total	231	221	452	2	-	2	14	23	37	53	53	106	22	7	29

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With cerebral syphilis			With brain tumor			With other brain or nervous diseases			Alcoholic			Due to drugs and other exogenous toxins		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
English	2	-	2	-	-	-	-	-	-	1	-	1	-	1	1
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
German	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	-	-	-	-	-	-	2	2	7	-	7	-	-	-	-
Italian <sup>1</sup>	1	-	1	-	-	-	-	-	3	-	3	-	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	2	1	3	-	-	-	-
Portuguese	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
Scandinavian <sup>2</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic <sup>3</sup>	-	-	-	-	-	-	1	-	1	6	-	6	-	-	-
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
Mixed	1	-	1	-	1	1	3	1	4	3	-	3	1	-	1
Race unascertained	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Total	6	-	6	-	1	1	4	3	7	30	1	31	1	1	2

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With other somatic diseases			Manic- depressive			Involution melancholia			Dementia praecox			Paranoia and paranoid conditions		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	3	3	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	1	1	6	7	13	1	7	8	6	11	17	-	1	1
Finish	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
French	-	-	-	2	2	4	1	-	1	6	9	15	-	-	-
German	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Greek	-	-	-	1	1	2	-	-	-	1	1	2	-	-	-
Hebrew	-	1	1	1	3	4	1	-	1	5	2	7	1	-	1
Irish	-	-	-	2	6	8	-	3	3	17	8	25	-	2	2
Italian <sup>1</sup>	-	-	-	2	1	3	-	2	2	9	2	11	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Scandinavian <sup>2</sup>	-	-	-	-	2	2	1	-	1	1	1	2	-	-	-
Scotch	1	-	1	1	-	1	-	-	-	-	1	1	-	1	1
Slavonic <sup>3</sup>	-	1	1	-	1	1	-	1	1	-	3	3	-	1	1
Syrian	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Turkish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Mixed	1	-	1	-	5	5	-	1	1	8	8	16	2	-	2
Race unascertained	-	-	-	-	1	1	-	-	-	2	1	3	-	-	-
Total	2	3	5	15	29	44	5	14	19	58	53	111	3	5	8

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded.*

RACE	Epileptic psychoses			Psycho- neuroses and neuroses			With psycho- pathic personality			With mental deficiency			Without psychosis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	-	1	1	3	-	3	2	6	8	-	1	1
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	-	-	-	-	1	1	1	-	1	1	-	1	-	-	-
German	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek	-	-	-	1	-	1	-	-	-	1	-	1	-	-	-
Hebrew	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	1	2	3	-	1	1	-	-	-	2	6	8	-	-	-
Italian <sup>1</sup>	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Portuguese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian <sup>2</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Slavonic <sup>3</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other specific races	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	1	1	2	1	-	1	2	4	6	-	1	1
Race unascertained	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Total	1	3	4	2	5	7	5	-	5	8	18	26	-	2	2

<sup>1</sup>Includes "North" and "South".<sup>2</sup>Norwegians, Danes and Swedes.<sup>3</sup>Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 8. Age of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total			Under 15 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	14	23	37	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis . . . . .	53	53	106	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis . . . . .	22	7	29	-	-	-	-	-	-	-	-	-	1	-	1
5. With cerebral syphilis . . . . .	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	4	3	7	-	-	-	-	-	-	1	-	1	-	1	1
9. Alcoholic . . . . .	30	1	31	-	-	-	1	-	1	-	-	-	2	-	2
10. Due to drugs and other exogenous toxins . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	1	1
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	2	3	5	-	-	-	-	-	-	1	-	1	-	2	2
13. Manic-depressive . . . . .	15	29	44	-	-	-	1	2	3	1	2	3	1	2	3
14. Involution melancholia . . . . .	5	14	19	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox . . . . .	58	53	111	-	-	-	6	1	7	15	5	20	13	11	24
16. Paranoia and paranoid conditions . . . . .	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	1	3	4	-	-	-	-	-	-	-	-	-	1	1	2
18. Psychoneuroses and neuroses . . . . .	2	5	7	-	-	-	-	1	1	-	1	1	-	1	1
19. With psychopathic personality . . . . .	5	-	5	1	-	1	1	-	1	1	-	1	1	-	1
20. With mental deficiency . . . . .	8	18	26	-	-	-	2	1	3	1	3	4	1	2	3
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	-	2	2	-	-	-	-	-	-	-	-	-	-	1	1
Total . . . . .	231	221	452	1	-	1	11	5	16	20	11	31	20	22	42

TABLE 8. Age of First Admissions Classified with Reference to Principal Psychoses — Continued.

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
2. Senile . . . . .	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
3. With cerebral arteriosclerosis . . . . .	-	-	-	-	-	-	-	-	-	1	-	1	3	3	6
4. General paralysis . . . . .	2	1	3	-	2	2	5	2	7	3	1	4	4	-	4
5. With cerebral syphilis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	-	-	-	1	-	1	-	-	-	1	-	1	-	1	1
9. Alcoholic . . . . .	3	-	3	5	-	5	4	-	4	5	1	6	4	-	4
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	-	-	-	-	-	-	-	-	-	1	-	1	-	1	1
13. Manic-depressive . . . . .	-	2	2	3	5	8	2	3	5	-	4	4	3	6	9
14. Involution melancholia . . . . .	-	-	-	1	2	3	-	2	2	-	6	6	1	2	3
15. Dementia praecox . . . . .	6	7	13	4	10	14	9	10	19	-	4	4	4	3	7
16. Paranoia and paranoid conditions . . . . .	-	-	-	-	1	1	1	1	2	-	1	1	1	-	1
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	1	1	1	1	2	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	2	3	5	-	2	2	1	2	3	-	4	4	1	-	1
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	14	14	28	15	23	38	22	22	44	13	22	35	21	16	37

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded.*

PSYCHOSES	55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	—	—	—	—	—	—	1	—	1	—	—	—
2. Senile . . . . .	2	4	6	—	2	2	—	1	1	12	15	27
3. With cerebral arteriosclerosis . . . . .	4	1	5	9	9	18	8	11	19	28	29	57
4. General paralysis . . . . .	4	—	4	1	1	2	2	—	2	—	—	—
5. With cerebral syphilis . . . . .	2	—	2	1	—	1	2	—	2	1	—	1
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	1	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	1	1	2	—	—	—	—	—	—	—	—	—
9. Alcoholic . . . . .	5	—	5	—	—	—	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive . . . . .	2	1	3	1	1	2	1	1	2	—	—	—
14. Involution melancholia . . . . .	2	2	4	1	—	1	—	—	—	—	—	—
15. Dementia praecox . . . . .	1	1	2	—	1	1	—	—	—	—	—	—
16. Paranoia and paranoid conditions . . . . .	1	1	2	—	1	1	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	1	—	1	—	—	—	—	—	—	—	—	—
19. With psychopathic personality . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency . . . . .	—	—	—	—	—	—	—	1	1	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	1	1
Total . . . . .	25	12	37	13	15	28	15	14	29	41	45	86



TABLE 9. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

PSYCHOSES	Total			Illiterate		Reads and writes*		Common School		High School		College		Unascertained	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	2	23	37	1	5	6	1	1	1	1	2	3	1	1	1
2. Senile . . . . .	14	53	106	3	4	7	6	9	14	6	8	14	5	5	6
3. With cerebral arteriosclerosis . . . . .	53	22	29	2	2	2	11	30	58	3	3	3	2	2	7
4. General paralysis . . . . .	6	1	6	2	2	3	4	6	14	3	1	1	4	1	5
5. With cerebral syphilis . . . . .	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. With Huntington's chorea . . . . .	4	3	7	1	1	1	1	1	1	1	1	1	1	1	1
7. With brain tumor . . . . .	30	1	31	4	1	5	3	3	7	2	2	2	5	5	5
8. With other brain or nervous diseases . . . . .	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
9. Alcoholic . . . . .	2	3	5	1	2	3	1	1	1	1	1	1	1	1	1
10. Due to drugs and other exogenous toxins . . . . .	15	5	19	1	2	3	1	1	2	1	1	2	1	1	1
11. With pellagra . . . . .	29	14	43	1	2	3	1	1	2	3	7	10	1	1	1
12. With other somatic diseases . . . . .	58	53	111	3	1	4	4	6	10	4	4	4	1	1	1
13. Manic-depressive . . . . .	3	5	8	1	1	2	1	2	3	1	1	2	1	1	2
14. Involution melancholia . . . . .	1	2	3	1	1	2	1	1	2	1	1	1	1	1	1
15. Dementia praecox . . . . .	1	3	4	1	1	2	1	1	2	1	1	1	1	1	1
16. Paranoid and paranoid conditions . . . . .	1	3	4	1	1	2	1	1	2	1	1	1	1	1	1
17. Epileptic psychoses . . . . .	1	3	4	1	1	2	1	1	2	1	1	1	1	1	1
18. Psychoneuroses and neuroses . . . . .	5	5	10	1	1	2	1	1	2	1	1	1	1	1	1
19. With psychopathic personality . . . . .	8	18	26	3	3	6	1	4	4	2	2	2	1	1	2
20. With mental deficiency . . . . .	1	2	3	1	1	2	1	1	1	1	1	1	1	1	1
21. Undiagnosed psychoses . . . . .	1	2	3	1	1	2	1	1	1	1	1	1	1	1	1
22. Without psychosis . . . . .	1	2	3	1	1	2	1	1	1	1	1	1	1	1	1
Total . . . . .	231	221	452	20	20	40	30	18	48	32	38	70	6	8	14
				125	124	249							18	13	31

\*Includes those who did not complete fourth grade in school.

TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Urban			Rural		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	2	—	2	2	—	2	—	—	—
2. Senile . . . . .	14	23	37	14	22	36	—	1	1
3. With cerebral arteriosclerosis . . . . .	53	53	106	51	53	104	2	—	2
4. General paralysis . . . . .	22	7	29	22	7	29	—	—	—
5. With cerebral syphilis . . . . .	6	—	6	6	—	6	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	1	1	—	1	1	—	—	—
8. With other brain or nervous diseases . . . . .	4	3	7	4	3	7	—	—	—
9. Alcoholic . . . . .	30	1	31	30	1	31	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	1	1	2	1	1	2	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	2	3	5	2	3	5	—	—	—
13. Manic-depressive . . . . .	15	29	44	14	29	43	1	—	1
14. Involution melancholia . . . . .	5	14	19	5	14	19	—	—	—
15. Dementia praecox . . . . .	58	53	111	57	53	110	1	—	1
16. Paranoia and paranoid conditions . . . . .	3	5	8	3	5	8	—	—	—
17. Epileptic psychoses . . . . .	1	3	4	—	3	3	1	—	1
18. Psychoneuroses and neuroses . . . . .	2	5	7	2	5	7	—	—	—
19. With psychopathic personality . . . . .	5	—	5	5	—	5	—	—	—
20. With mental deficiency . . . . .	8	18	26	8	16	24	—	2	2
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	—	2	2	—	2	2	—	—	—
Total . . . . .	231	221	452	226	218	444	5	3	8

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Comfortable			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	2	—	2	—	—	—	2	—	2	—	—	—	—	—	—
2. Senile . . . . .	14	23	37	3	6	9	10	14	24	1	2	3	—	1	1
3. With cerebral arteriosclerosis . . . . .	53	53	106	10	15	25	41	32	73	2	6	8	—	—	—
4. General paralysis . . . . .	22	7	29	2	1	3	19	4	23	—	2	2	1	—	1
5. With cerebral syphilis . . . . .	6	—	6	1	—	1	4	—	4	1	—	1	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—
8. With other brain or nervous diseases . . . . .	4	3	7	1	—	1	3	3	6	—	—	—	—	—	—
9. Alcoholic . . . . .	30	1	31	3	—	3	27	—	27	—	1	1	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	1	1	2	—	—	—	1	1	2	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	2	3	5	—	1	1	2	1	3	—	1	1	—	—	—
13. Manic-depressive . . . . .	15	29	44	1	3	4	13	23	36	1	3	4	—	—	—
14. Involution melancholia . . . . .	5	14	19	1	2	3	3	11	14	1	1	2	—	—	—
15. Dementia praecox . . . . .	58	53	111	19	4	23	36	44	80	3	5	8	—	—	—
16. Paranoia and paranoid conditions . . . . .	3	5	8	—	1	1	3	3	6	—	1	1	—	—	—
17. Epileptic psychoses . . . . .	1	3	4	—	1	1	1	2	3	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	2	5	7	—	—	—	2	4	6	—	—	—	—	1	1
19. With psychopathic personality . . . . .	5	—	5	1	—	1	4	—	4	—	—	—	—	—	—
20. With mental deficiency . . . . .	8	18	26	5	2	7	3	16	19	—	—	—	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychoses . . . . .	—	2	2	—	1	1	—	1	1	—	—	—	—	—	—
Total . . . . .	231	221	452	47	37	84	174	159	333	9	23	32	1	2	3

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	2	—	2	2	—	2	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	14	23	37	13	20	33	1	1	2	—	—	—	—	2	2
3. With cerebral arterio-sclerosis . . . . .	53	53	106	35	49	84	11	1	12	6	2	8	1	1	2
4. General paralysis . . . . .	22	7	29	11	7	18	6	—	6	3	—	3	2	—	2
5. With cerebral syphilis . . . . .	6	—	6	2	—	2	2	—	2	2	—	2	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	4	3	7	3	3	6	1	—	1	—	—	—	—	—	—
9. Alcoholic . . . . .	30	1	31	—	—	—	—	—	—	30	1	31	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	1	1	2	—	1	1	—	—	—	1	—	1	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	2	3	5	2	3	5	—	—	—	—	—	—	—	—	—
13. Manic-depressive . . . . .	15	29	44	14	27	41	1	1	2	—	—	—	—	1	1
14. Involution melancholia . . . . .	5	14	19	5	13	18	—	—	—	—	—	—	—	1	1
15. Dementia praecox . . . . .	58	53	111	36	51	87	14	2	16	7	—	7	1	—	1
16. Paranoid and paranoid conditions . . . . .	3	5	8	2	5	7	1	—	1	—	—	—	—	—	—
17. Epileptic psychoses . . . . .	1	3	4	1	2	3	—	1	1	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	2	5	7	2	5	7	—	—	—	—	—	—	—	—	—
19. With psychopathic personality . . . . .	5	—	5	4	—	4	—	—	—	1	—	1	—	—	—
20. With mental deficiency . . . . .	8	18	26	6	17	23	2	1	3	—	—	—	—	—	—
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	—	2	2	—	2	2	—	—	—	—	—	—	—	—	—
Total . . . . .	231	221	452	138	206	344	39	7	46	50	3	53	4	5	9

TABLE 13. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Single			Married			Widowed			Separated			Divorced		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	2	—	2	—	—	—	2	—	2	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	14	23	37	3	11	14	3	5	8	7	7	14	—	—	—	—	—	—
3. With cerebral arteriosclerosis . . . . .	53	53	106	6	10	16	29	11	40	17	31	48	—	—	—	1	1	2
4. General paralysis . . . . .	22	7	29	1	—	1	18	7	25	1	—	—	—	—	—	2	—	2
5. With cerebral syphilis . . . . .	6	—	6	1	—	1	3	—	3	1	—	1	—	—	—	1	—	1
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	1	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	4	3	7	2	2	4	2	1	3	—	—	—	—	—	—	—	—	—
9. Alcoholic . . . . .	30	1	31	12	—	12	14	1	15	4	—	4	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	1	1	2	—	—	—	—	—	1	—	—	—	—	—	—	1	—	1
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	2	3	5	—	1	1	11	17	28	1	2	3	—	—	—	—	1	1
13. Manic-depressive . . . . .	15	29	44	3	9	12	11	6	13	1	2	3	—	—	—	—	—	—
14. Involution melancholia . . . . .	5	14	19	—	6	6	5	8	13	—	—	—	—	—	—	—	—	—
15. Dementia praecox . . . . .	58	53	111	47	16	63	9	32	41	—	2	2	—	—	—	2	3	5
16. Paranoia and paranoid conditions . . . . .	3	5	8	—	1	1	1	2	3	—	2	2	—	—	—	2	2	2
17. Epileptic psychoses . . . . .	1	3	4	—	1	1	1	1	1	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	2	5	7	1	2	3	1	3	4	—	—	—	—	—	—	—	—	—
19. With psychopathic personality . . . . .	5	7	12	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency . . . . .	8	18	26	6	10	16	2	8	10	—	—	—	—	—	—	1	—	1
21. Undiagnosed psychoses . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	—	2	2	—	1	1	—	—	—	—	—	1	—	—	—	—	—	—
Total . . . . .	231	221	452	88	70	158	101	101	202	31	45	76	—	—	—	11	5	16



TABLE 14. *Psychoses of Readmissions*

PSYCHOSES	Males	Females	Total
1. Traumatic	—	—	—
2. Senile psychoses	1	1	2
3. Psychoses with cerebral arteriosclerosis	1	5	6
4. General paralysis	4	—	4
5. Psychoses with cerebral syphilis	—	—	—
6. Psychoses with Huntington's chorea	1	—	1
7. Psychoses with brain tumor	—	—	—
8. Psychoses with other brain or nervous diseases	1	—	1
9. Alcoholic psychoses	6	—	6
10. Psychoses due to drugs and other exogenous toxins	—	—	—
11. Psychoses with pellagra	—	—	—
12. Psychoses with other somatic diseases	—	—	—
13. Manic-depressive psychoses	14	17	31
14. Involution melancholia	1	3	4
15. Dementia praecox	25	22	47
16. Paranoia and paranoid conditions	—	3	3
17. Epileptic psychoses	1	1	2
18. Psychoneuroses and neuroses	—	—	—
19. Psychoses with psychopathic personality	—	—	—
20. Psychoses with mental deficiency	8	2	10
21. Undiagnosed psychoses	—	—	—
22. Without psychosis	—	—	—
Total	63	54	117

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge.*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	—	3	—	—	—	3	—	3	—	—	—
2. Senile	2	1	3	—	—	—	2	—	2	—	1	1
3. With cerebral arteriosclerosis	10	10	20	—	—	—	6	10	16	4	—	4
4. General paralysis	8	5	13	—	—	—	8	4	12	—	1	1
5. With cerebral syphilis	—	1	1	—	—	—	—	1	1	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	3	1	4	—	—	—	2	1	3	1	—	1
9. Alcoholic	13	1	14	1	—	1	12	1	13	—	—	—
10. Due to drugs and other exogenous toxins	1	1	2	—	—	—	1	1	2	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	1	1	—	—	—	—	1	1	—	—	—
13. Manic-depressive	20	23	43	—	—	—	17	22	39	3	1	4
14. Involution melancholia	2	3	5	—	—	—	1	3	4	1	—	1
15. Dementia praecox	45	33	78	—	—	—	42	29	71	3	4	7
16. Paranoia and paranoid conditions	2	—	2	—	—	—	2	—	2	—	—	—
17. Epileptic psychoses	3	—	3	—	—	—	3	—	3	—	—	—
18. Psychoneuroses and neuroses	2	9	11	—	—	—	2	9	11	—	—	—
19. With psychopathic personality	3	1	4	—	—	—	3	1	4	—	—	—
20. With mental deficiency	4	6	10	—	1	1	3	4	7	1	1	2
21. Undiagnosed psychoses	2	—	2	—	—	—	2	—	2	—	—	—
22. Without psychosis	1	2	3	—	—	—	—	—	—	—	—	—
Total	124	98	222	1	1	2	109	87	196	13	8	21

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses.

CAUSES OF DEATH	Total			Senile		With cerebral arterio-sclerosis		General paralysis		Alcoholic		Manic-depressive		Involution melancholia	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases</i>															
Influenza . . . . .	2	11	13	—	2	2	1	2	3	—	—	—	—	1	1
Erysipelas . . . . .	—	1	1	1	—	1	—	1	1	—	—	—	—	—	—
Lethargic encephalitis . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis of the respiratory system . . . . .	11	11	22	—	—	—	1	1	2	1	1	2	2	—	—
Syphilis (non-nervous forms) . . . . .	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—
<i>General Diseases not Included in Class I</i>															
Cancer and other malignant tumors . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Alcoholism (acute or chronic) . . . . .	2	1	3	—	—	—	—	—	—	2	2	—	—	—	—
Other general diseases . . . . .	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—
<i>Diseases of the Nervous System</i>															
Other diseases of spinal cord . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral hemorrhage, apoplexy . . . . .	5	7	12	—	1	1	4	4	8	—	—	—	—	—	—
General paralysis of the insane . . . . .	28	8	36	—	—	—	—	28	8	36	—	—	—	—	—
Other forms of mental diseases . . . . .	—	6	6	—	—	—	—	—	—	—	—	—	—	—	—
Epilepsy . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the nervous system . . . . .	2	7	9	—	—	—	—	—	—	1	1	—	3	1	1
<i>Diseases of the Circulatory System</i>															
Pericarditis . . . . .	—	2	2	—	1	1	—	—	—	—	—	—	1	1	—
Endocarditis and myocarditis . . . . .	20	18	38	2	7	9	3	2	5	1	1	—	3	1	3
Angina pectoris . . . . .	1	2	3	—	—	—	—	—	—	—	1	1	—	—	—
Arteriosclerosis . . . . .	32	45	77	4	18	22	26	21	47	—	—	1	1	2	1
Other diseases of the circulatory system . . . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Respiratory System</i>															
Bronchitis . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Bronchopneumonia . . . . .	12	4	16	3	1	4	7	2	9	—	—	—	—	—	—
Lobar pneumonia . . . . .	2	1	3	—	—	—	—	—	—	1	1	—	—	—	—
Pleurisy . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Digestive System</i>															
Ulcer of stomach and duodenum . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Diarrhea and enteritis . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
<i>Non-Veneral Diseases of Genito-Urinary System and Anæmia</i>															
Diseases of prostate . . . . .	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
<i>External Causes</i>															
Suicide . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	125	130	255	11	30	41	43	33	76	29	8	37	3	11	14
										6	1	7		2	5

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded.

CAUSES OF DEATH	Dementia praecox			Paranoia or paranoid conditions			Epileptic psychoses			Psycho- neuroses and neuroses			With psychopathic personality			With mental deficiency			*All other psychoses			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
<i>Epidemic, Endemic and Infectious Diseases</i>																						
Influenza . . . . .	1	4	5	-	1	1	-	-	-	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
Erysipelas . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Lethargic encephalitis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tuberculosis of the respiratory system . . . . .	6	6	12	-	-	-	-	1	1	-	-	-	-	1	-	-	1	-	-	1	1	
Syphilis (non-nervous forms) . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
<i>General Diseases not Included in Class I</i>																						
Cancer and other malignant tumors . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Alcoholism (acute or chronic) . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other general diseases . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Diseases of the Nervous System</i>																						
Other diseases of spinal cord . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Cerebral hemorrhage, apoplexy . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
General paralysis of the insane . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other forms of mental disease . . . . .	-	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Epilepsy . . . . .	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Other diseases of the nervous system . . . . .	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
<i>Diseases of the Circulatory System</i>																						
Pericarditis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Endocarditis and myocarditis . . . . .	7	1	8	-	-	-	-	1	-	1	-	-	-	1	-	1	-	1	-	3	6	
Angina pectoris . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arteriosclerosis . . . . .	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	
Other diseases of the circulatory system . . . . .	-	-	-	-	1	1	-	-	-	-	-	-	-	1	-	1	-	1	-	-	-	
<i>Diseases of the Respiratory System</i>																						
Bronchitis . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Bronchopneumonia . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Lobar pneumonia . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Pleurisy . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Diseases of the Digestive System</i>																						
Ulcer of stomach and duodenum . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diarrhea and enteritis . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Non-Veneral Diseases of the Genito-Urinary System and Annexa</i>																						
Diseases of prostate . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>External Causes</i>																						
Suicide . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	
Total . . . . .	18	27	45	-	2	2	1	2	3	-	-	-	-	-	-	4	1	5	-	8	10	18

\*Includes group 22, "without psychosis."





TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded.

PSYCHOSES	40-44 years		45-49 years		50-54 years		55-59 years		60-64 years		65-69 years		70 years and over	
	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.
1. Traumatic . . . . .	-	-	-	-	-	-	-	-	-	-	1	-	-	-
2. Senile . . . . .	-	-	-	-	-	-	-	-	1	2	1	4	9	25
3. With cerebral arteriosclerosis . . . . .	-	-	1	1	1	2	3	6	6	5	9	5	23	34
4. General paralysis . . . . .	3	1	7	5	2	7	1	-	6	11	3	14	19	43
5. With cerebral syphilis . . . . .	-	-	-	-	-	-	-	-	1	8	1	-	1	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	1	1	1	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	1	-	1	1	1	1	2	2	-	2	-	-	1	1
9. Alcoholic . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	1	2	1	1	1	1	1	1	1	1	1	3	1	1
13. Manic-depressive . . . . .	-	-	1	1	-	-	1	1	1	2	-	3	-	-
14. Involution melancholia . . . . .	1	3	2	1	1	2	1	4	2	1	2	1	5	2
15. Dementia praecox . . . . .	-	-	-	-	-	-	2	2	-	3	-	-	-	-
16. Paranoia and paranoid conditions . . . . .	1	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	-	-	1	-	1	1	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	-	-	1	-	-	-	-	-	1	-	-	-	-	-
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total . . . . .	7	6	13	4	10	8	9	12	18	12	19	16	38	86

TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses

PSYCHOSES	Total			Less than 1 month		1-3 months		4-7 months		8-12 months		1-2 years		3-4 years	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic . . . . .	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
2. Senile . . . . .	11	30	41	3	3	6	4	4	9	2	2	9	1	4	5
3. With cerebral arteriosclerosis . . . . .	43	33	76	12	10	22	11	9	20	3	2	5	11	4	15
4. General paralysis . . . . .	29	8	37	2	-	2	2	2	9	2	2	5	11	4	15
5. With cerebral syphilis . . . . .	2	-	2	-	-	-	2	2	9	2	2	5	11	4	15
6. With Huntington's chorea . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	6	1	7
7. With brain tumor . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases . . . . .	3	6	9	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic . . . . .	6	1	7	2	-	2	1	2	2	-	-	2	-	1	1
10. Due to drugs and other exogenous toxins . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases . . . . .	1	4	5	-	1	1	-	-	-	-	-	-	-	1	1
13. Manic-depressive . . . . .	3	11	14	-	3	3	-	-	-	-	2	2	1	2	3
14. Involution melancholia . . . . .	2	5	7	-	-	-	-	-	-	-	1	1	1	2	3
15. Dementia praecox . . . . .	18	27	45	-	3	3	1	5	6	-	-	2	2	1	1
16. Paranoia and paranoid conditions . . . . .	-	2	2	-	-	-	-	1	1	-	-	-	-	-	-
17. Epileptic psychoses . . . . .	1	2	3	-	-	-	-	-	-	-	-	-	-	1	1
18. Psychoneuroses and neuroses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency . . . . .	4	1	5	-	-	-	-	1	-	-	-	-	1	-	1
21. Undiagnosed psychoses . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis . . . . .	1	-	1	-	-	-	-	-	-	-	1	-	-	-	-
Total . . . . .	125	130	255	20	20	40	23	23	46	9	5	14	28	26	54
								13	12	25			10	16	26



TABLE 19. *Family Care Department*

	Male	Female	Total
Remaining in Family Care October 1, 1928 . . . . .	1	17	18
On visit from Family Care October 1, 1928 . . . . .	—	—	—
Admitted during year . . . . .	—	7	7
Whole number of cases within the year . . . . .	1	24	25
Dismissed within the year . . . . .	—	—	—
Returned to institution . . . . .	—	8	8
Discharged . . . . .	—	—	—
Died . . . . .	1	—	1
On visit . . . . .	—	—	—
Remaining in Family Care September 30, 1929 . . . . .	—	16	16
Supported by State . . . . .	—	13	13
Private . . . . .	—	3	3
Self-supporting . . . . .	—	—	—
Number of different persons within the year . . . . .	—	5	5
Number of different persons dismissed . . . . .	—	—	—
Number of different persons admitted . . . . .	—	—	—
Average daily number in Family Care during the year . . . . .	.4	15.8	16.2
Supported by State . . . . .	—	13.	13.
Private . . . . .	.4	2.8	3.2
Self-supporting . . . . .	—	—	—